RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/721.297
Source:	1FW16
Date Processed by STIC:	11/29/05

ENTERED



DATE: 11/29/2005

IFW16

PATENT APPLICATION: US/10/721,297 TIME: 10:14:30 Input Set : D:\UNI9194-6US.ST25.txt Output Set: N:\CRF4\11292005\J721297.raw - 3 <110> APPLICANT: Sudhof, Thomas C. 4 Li, Qiming 6 <120> TITLE OF INVENTION: COMPOSITIONS, METHODS AND ASSAYS RELATED TO SECRETASE CLEAVAGE SPECIFICITY 9 <130> FILE REFERENCE: UNI919/4-006US 11 <140> CURRENT APPLICATION NUMBER: 10/721,297 12 <141> CURRENT FILING DATE: 2003-11-25 14 <160> NUMBER OF SEQ ID NOS: 29 16 <170> SOFTWARE: PatentIn version 3.3 18 <210> SEQ ID NO: 1 19 <211> LENGTH: 7 20 <212> TYPE: PRT 21 <213> ORGANISM: Artificial 23 <220> FEATURE: 24 <223> OTHER INFORMATION: APP B-secretase binding site 26 <400> SEQUENCE: 1 28 Glu Val Lys Met Asp Ala Glu 29 1 32 <210> SEQ ID NO: 2 33 <211> LENGTH: 13 34 <212> TYPE: PRT 35 <213> ORGANISM: Artificial 37 <220> FEATURE: 38 <223> OTHER INFORMATION: APLP1 B-secretase cleavage site 40 <400> SEQUENCE: 2 42 Asp Glu Leu Ala Pro Ala Gly Thr Gly Val Ser Arg Glu 43 1 46 <210> SEQ ID NO: 3 47 <211> LENGTH: 30 48 <212> TYPE: DNA 49 <213> ORGANISM: Artificial 51 <220> FEATURE: 52 <223> OTHER INFORMATION: Synthetic oligonucleotides 54 <400> SEQUENCE: 3 55 ggccgagaag tgaagatgga tgcagaaagc 30 58 <210> SEQ ID NO: 4 59 <211> LENGTH: 30 60 <212> TYPE: DNA 61 <213> ORGANISM: Artificial 63 <220> FEATURE: 64 <223> OTHER INFORMATION: Synthetic oligonucleotides 66 <400> SEQUENCE: 4 67 ggccgctttc tgcatccagg ttcacttctc 30

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DATE: 11/29/2005

PATENT APPLICATION: US/10/721,297 TIME: 10:14:30 Input Set : D:\UNI9194-6US.ST25.txt Output Set: N:\CRF4\11292005\J721297.raw 70 <210> SEQ ID NO: 5 71 <211> LENGTH: 15 72 <212> TYPE: PRT 73 <213> ORGANISM: Artificial 75 <220> FEATURE: 76 <223> OTHER INFORMATION: Synthetic peptides 78 <400> SEQUENCE: 5 80 Gly Tyr Glu Asn Pro Thr Tyr Lys Phe Phe Glu Gln Met Gln Asn 81 1 10 84 <210> SEQ ID NO: 6 85 <211> LENGTH: 13 86 <212> TYPE: PRT 87 <213> ORGANISM: Artificial 89 <220> FEATURE: 90 <223> OTHER INFORMATION: Synthetic peptides 92 <400> SEQUENCE: 6 94 Tyr Glu Asn Pro Thr Tyr Arg Phe Leu Glu Glu Arg Pro 95 1 10 98 <210> SEQ ID NO: 7 99 <211> LENGTH: 21 100 <212> TYPE: PRT 101 <213> ORGANISM: Artificial 103 <220> FEATURE: 104 <223> OTHER INFORMATION: Synthetic peptides 106 <400> SEQUENCE: 7 108 Asn Lys Met Gln Asn His Gly Tyr Glu Asn Pro Thr Tyr Lys Tyr Leu 109 1 10 112 Glu Gln Met Gln Ile 113 20 116 <210> SEQ ID NO: 8 117 <211> LENGTH: 14 118 <212> TYPE: PRT 119 <213> ORGANISM: Artificial 121 <220> FEATURE: 122 <223> OTHER INFORMATION: Synthetic peptides 124 <400> SEOUENCE: 8 126 Val Pro Arg Gly Glu Pro Phe His Ser Ser Glu Ile Gln Arg 127 1 130 <210> SEQ ID NO: 9 131 <211> LENGTH: 8 132 <212> TYPE: PRT 133 <213> ORGANISM: Artificial 135 <220> FEATURE: 136 <223> OTHER INFORMATION: APP B-secretase cleavage site containing the Swedish mutation 138 <400> SEQUENCE: 9 140 Glu Val Asn Leu Asp Ala Glu Ser 141 1 144 <210> SEQ ID NO: 10 145 <211> LENGTH: 7

RAW SEQUENCE LISTING

RAW SEQUENCE LISTING DATE: 11/29/2005 PATENT APPLICATION: US/10/721,297 TIME: 10:14:30

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     173 Gln Ile Arg Ser Gln Val Met Thr His Leu Arg Val Ile Tyr Glu Arg
                35
                                     40
     177 Met Asn Gln Ser Leu Ser Leu Leu Tyr Asn Val Pro Ala Val Ala Glu
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     181 Glu Ile Gln Asp Glu Val Asp Glu Leu Leu Gln Lys Glu Gln Asn Tyr
                             70
     185 Ser Asp Asp Val Leu Ala Asn Met Ile Ser Glu Pro Arg Ile Ser Tyr
                         85
     189 Gly Asn Asp Ala Leu Met Pro Ser Leu Thr Glu Thr Lys Thr Thr Val
                    100
                                         105
     193 Glu Leu Leu Pro Val Asn Gly Glu Phe Ser Leu Asp Asp Leu Gln Pro
                                     120
                115
     197 Trp His Ser Phe Gly Ala Asp Ser Val Pro Ala Asn Thr Glu Asn Glu
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     201 Val Glu Pro Val Asp Ala Arg Pro Ala Ala Asp Arg Gly Leu Thr Thr
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     228 Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln
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262 Leu Arg His Tyr Gln His Val Ala Ala Val Asp Pro Glu Lys Ala Gln
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                                   . 25
266 Gln Met Arg Phe Gln Val His Thr His Leu Gln Val Ile Glu Glu Arg
                                40
270 Val Asn Gln Ser Leu Gly Leu Leu Asp Gln Asn Pro His Leu Ala Gln
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274 Glu Leu Arg Pro Ile Gln Glu Leu Leu His Ser Glu His Leu Gly
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279 <211> LENGTH: 6
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289 <210> SEQ ID NO: 16
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292 <213> ORGANISM: Homosapiens
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348 Pro Arg Gly Phe Pro Phe His Ser Ser Glu Ile Gln Arg Asp Glu Leu
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352 Ala Pro Ala Gly Thr Gly Val Ser Arg Glu Ala Val Ser Gly Leu Leu
356 Ile Met Gly Ala Gly Gly Ser Leu Ile Val Leu Ser Met Leu Leu
360 Leu Arg Arg Lys Lys Pro Tyr Gly Ala Ile Ser His Gly Val Val Glu
364 Val Asp Pro Met Leu Thr Leu Glu Glu Gln Leu Arg Glu Leu Gln
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387 Gln Met Lys Ser Gln Val Met Thr His Leu His Val Ile Glu Glu Arg
388 35
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/29/2005
PATENT APPLICATION: US/10/721,297 TIME: 10:14:31

Input Set : D:\UNI9194-6US.ST25.txt
Output Set: N:\CRF4\11292005\J721297.raw

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• . .

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,29

VERIFICATION SUMMARYDATE: 11/29/2005PATENT APPLICATION: US/10/721,297TIME: 10:14:31